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Committee on Sustainable Energy

Group of Experts on Energy Efficiency

Fifth session
Kiev, 13–15 November 2018
Item 1 of the provisional agenda
Adoption of the agenda

Annotated provisional agenda for the fifth session

to be held in Kiev, starting at 9:00 on Tuesday, 13 November 2018

I. Provisional agenda

1. Adoption of the agenda.
2. Election of officers.
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4. Exchange of experience on standards and guidelines to improve significantly energy efficiency in buildings.
5. Role of utilities, big data and geo-spatial data in energy transition.
6. Regulatory and policy dialogue addressing barriers to improve energy efficiency and renewable energy.
7. Other business.
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II. Annotations to the provisional agenda

1. Adoption of the agenda

Documentation: ECE/ENERGY/GE.6/2018/1 – Annotated provisional agenda.

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In accordance with the Commission's rules of procedure, the first item of the provisional agenda is the adoption of the agenda.

2. Election of officers

At its third session in 2017, the Group of Experts elected representatives from Azerbaijan, Bosnia and Herzegovina, and Serbia as Vice Chairs for two years. The Group of Experts also invited representatives from the Copenhagen Centre on Energy Efficiency and, *ex officio*, Co-chairs of the Joint Task Force on Energy Efficiency Standards in Buildings to join the Bureau for two years. Previously, at its third session in 2016, the Group of Experts elected a representative of the former Yugoslav Republic of Macedonia as its Chair and representatives from Azerbaijan, Belarus, Croatia, Georgia, Germany, and Ukraine as Vice Chairs for two years and invited representatives from the Copenhagen Centre on Energy Efficiency, the International Partnership for Energy Efficiency Cooperation (IPEEC), the University of Geneva, BG Consulting Engineers, and EEP - Institute for Energy Efficiency in Production to participate in the Bureau for two years. The Group of Experts will be invited to elect members of the Bureau according to submitted nominations.

At the time of preparing this provisional agenda, nominations have been received from Georgia and the Russian Federation. Continuation of participation of representatives of the Copenhagen Centre on Energy Efficiency, the International Partnership for Energy Efficiency Cooperation (IPEEC), the University of Geneva, and EEP - Institute for Energy Efficiency in Production has been supported by the Bureau. In addition, proposals were made for representatives of the Centre for Energy Efficiency of Macedonia (the former Yugoslav Republic of Macedonia) and Croatian Innovation Association (Croatia) to join the Bureau.

The Group of Experts will also be invited to elect Chair or Co-chairs of the Task Force on Industrial Energy Efficiency.

3. Exchange of experience to improve significantly energy efficiency in industry sector

Documentation: ECE/ENERGY/2018/10–ECE/ENERGY/GE.6/2018/3 – Exchange of experience to improve significantly energy efficiency in industry sector. Background paper on the Concept Note and Terms of Reference for the Task Force on Industrial Energy Efficiency in the United Nations Economic Commission for Europe (ECE) Region for 2019–2020.

Identifying and defining the industrial energy efficiency potential has become possible. Abundant energy efficiency technical solutions, processes and awareness programmes exist. Yet actual implementation of concrete and widespread energy efficiency measures remains often a task postponed until tomorrow. Even with many very good industrial energy efficiency initiatives underway globally, there is still a need to face the reality that something vital is missing to achieve the full energy efficiency potential. The workshop Making Industrial Energy Efficiency the New Normal poses a challenge to the participants to accept the inadequacy of the approach on industrial energy efficiency to date and aims to discuss how we can realistically move to full implementation of the already identified cost-effective energy efficiency opportunities.

Delegates will be invited to discuss activities under the Task Force on Industrial Energy Efficiency and practical steps for their implementation. The emphasis will be on encouraging increased engagement between the organizations leading industrial energy efficiency initiatives to promote improved collaboration between them when communicating to the

industry sector and on improving access to industry orientated energy efficiency initiatives, that will provide targeted support and guidance to companies.

4. Exchange of experience on standards and guidelines to improve significantly energy efficiency in buildings

Documentation: ECE/ENERGY/GE.6/2018/4 – Exchange of experience on standards and guidelines to improve significantly energy efficiency in buildings. Background paper on main findings of the study on mapping of energy efficiency standards in buildings in the ECE region.

The Committee on Sustainable Energy and the Committee on Housing and Land Management established the Joint Task Force on Energy Efficiency Standards in Buildings in 2015. Projects in support of implementation of tasks by the joint task force are funded by the Governments of Denmark and the Russian Federation and by the Black Sea Economic Cooperation Organization (BSEC). The Joint Task Force has completed a study on mapping of energy efficiency standards in buildings in the ECE region and is in the process of developing a study on mapping of energy efficient technologies in buildings in the ECE region. It has also started a training programme on high-performance energy efficiency standards in buildings for building sector practitioners, policy makers, and trainers. The Committee on Sustainable Energy and the Committee on Housing and Land Management endorsed the Framework Guidelines on Energy Efficiency Standards in Buildings in 2017. This document has set in motion the process of setting up international centres of excellence and a consortium of educational and research institutions to promote and implement a high-performance buildings initiative.

Delegates will be invited to discuss the activities and review the accomplishments of the Joint Task Force on Energy Efficiency Standards in Buildings and to recommend ways for further implementation of its tasks.

5. Role of utilities, big data and geo-spatial data in energy transition

Documentation: ECE/ENERGY/GE.6/2018/6 – Role of utilities, big data and geo-spatial data in energy transition.

Transition to sustainable energy systems requires effective coordination between a variety of stakeholders regarding the choice and implementation of technological solutions at different scales. High quality data is one of the central elements of this coordination. Currently, many countries and cities start to use Big and geo-spatial data, and the related data management and analysis methods, for implementation of sustainable energy projects. International experience exchange on current practices is of special interest as the respective information technology (IT) solutions can be easily transferred among different locations.

The workshop Role of utilities, big data and geo-spatial data in energy transition will provide insights on the use of Big and geo-spatial data, and on application of related data management and analysis methods on the regional, municipal and individual building levels. Case studies for different parts of the ECE region will be presented, covering such topics as estimation of renewable energy generation and energy efficiency potential at the regional level, data management and energy planning practices in cities, and applications for energy management systems in buildings.

Delegates will be invited to discuss the challenges of the use of geographic information systems (GIS) and Big data for sustainable energy projects. The focus will be on existing organizational and legal practices, success stories and existing barriers, including the impacts

of market liberalization on data sharing, issues of arbitration between personal data protection and open access policies, and challenges of stakeholder involvement and coordination.

6. Regulatory and policy dialogue addressing barriers to improve energy efficiency and renewable energy

Documentation: ECE/ENERGY/GE.6/2018/5–ECE/ENERGY/GE.7/2018/5 – Regulatory and policy dialogue addressing barriers to improve energy efficiency and renewable energy.

A number of legislative, policy, economic, and financial barriers to significant improvements in energy efficiency and increased uptake of renewable energy remain. It is important to identify policies and measures in the ECE region that reduce barriers to increasing investment and financing flows to energy efficiency and renewable energy projects, with an emphasis on commercial projects and private financing. A valuable aspect is transferability of successful measures in selected countries to other ECE member States. Particular attention needs to be given to the reasons why energy efficiency improvement and uptake of renewable energy are lagging behind what is necessary to achieve climate goals and sustainable development goals.

Findings from the study of selected ECE member States from South-Eastern Europe, Eastern Europe, and Central Asia sub-regions will be presented. The study aims at identifying and analyzing policy, regulatory and institutional reforms; capacity of stakeholders in the countries (national and local authorities, project developers and owners, and financial institutions); best practices developed and introduced; and awareness raising. It also looks at the processes in the area of energy efficiency and renewable energy at the international and national levels, which are particularly beneficial for the countries and which can be recommended for replication and scaling up. It also highlights existing gaps in the countries of the region related to energy efficiency and renewable energy in the areas of policy, regulatory and institutional frameworks, financial environment, and education and awareness.

Delegates will be invited to discuss the outcomes of the study, policies and actions that increase financing of energy efficiency and renewable energy projects, and propose next steps for energy efficiency and renewable energy finance options in the region.

7. Other business

At the time the provisional agenda was prepared, there were no issues to be raised under this item.

8. Report of the meeting

The Chair of the Group of Experts and the secretariat will draft the report of the session, including conclusions and recommendations, for discussion and approval by the delegates.

9. Dates of the next meeting

The sixth session of the Group of Experts on Energy Efficiency is scheduled to take place in Geneva on 8–9 October 2019.